BRUHATH BANGALORE MAHANAGARA PALIKE

YALAHANKA ELECTRICAL DIVISION

E- MEASUREMENT BOOK

Name of work:- Operation and maintenance of Street Lighting system in Ward No 04 Package Y-04 of Yelahanka Zone"

BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work: :-Operation and maintenance of Street Lighting system in Ward No 04 Package Y-04 of Yelahanka Zone"

Name of Contractror of nature of Agency:- M/S.Nanjundeshwara Electricals

Job Code No:- 004-20-000014

Ref no and Date of commencement of work:-:-EE/Ele/YLK/TEND/WO/000037/2020-21 Date:30/12/2020

Measurement Book No: 2572/21-22 **Page No:** 257185 to 186.

Bill NO :- 3Nd RA Bill

Sl. No.		Unit	Period	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below					
	i) Poles with 36/40 W fluorescent tube light street lighting system	Nos	3	73	57.12	12509.28
2	v) Poles with 250W HPSV light street lighting system	Nos	3	2594	84.95	661080.90
3	vii)Poles with 24 Watts LED Light street lighting system		3	1	73.33	219.99
4	vii) Poles with 400 watts HPSV light street lighting system	Nos	3	175	93.17	48914.25
5	viii) Poles with 65 Watts LED Light street lighting system	Nos	3	98	95.61	28109.34
6	viii) Poles with 90 Watts LED Light street lighting system	Nos	3	203	114.80	69913.20
7	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M.S. Box with proper insulation etc., complete.	Nos	3	25	259.62	19471.50
8	B Work to be carried ut as per requirment & actuals and as per the directions of the in charge engineer Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the pole a) Upto 8 Mtrs light pole	Nos	-	270	770.00	207900.00

4/10/21

4/10/21

9	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit(Mother board):Handles controlling,data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6)	Nos	-	0	51500.00	0.00
	TOTAL		0	0		1048118.46
	Add GST 12 % on item no 8 & 9		207900.00	0		24948.00
	TOTAL Rs					1073066.46
	Fine imposed for non burning of street lights For the period of 1/7/2021 to 30/9/2021					9000.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material					20962.37
	GRAND TOTAL					1043104.09

CERTIFICATE:

1. This is to certify that the work done is saticefactorily.
2. This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division